

Town of Friday Harbor Water, Wastewater, and Solid Waste Utilities Summary Reports

www.fridayharbor.org

Period ending: May 2025

*Based on June's billing cycle
(May's Water and Refuse Usage)

Data provided by
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Water Utility, Kasey Anderson Water Distribution Supervisor
Frank Byrne, Water Treatment Plant Supervisor
Wastewater Utility, Joseph Pasic, Wastewater Treatment Plant Supervisor
Solid Waste Utility, Dave Smith, Refuse Supervisor

Analysis & Reports prepared by
Reid Ledgerwood, Lead Finance Clerk

Water - Use MTD

Water Class	Accounts	Gallons
Com	219	1,796,739
Ind	14	188,739
Mfr	135	1,794,824
PA	82	900,058
Sfr	1,028	3,479,212
Spe	3	56,674
Total	1,481	8,216,246

Water - Use MTD by Location

Water Class	Accounts	Gallons
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Location: In

Com	216	1,778,572
Ind	13	184,525
Mfr	130	1,655,926
PA	73	689,694
Sfr	671	2,200,863
Spe	2	55,870

	1,105	6,565,450
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Location: Out

Com	3	18,167
Ind	1	4,214
Mfr	5	138,898
PA	9	210,364
Sfr	357	1,278,349
Spe	1	804

	376	1,650,796
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Total	1,481	8,216,246
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Water Use MTD - Accounts with Sewer Connections

Sewer Class	Accounts	Gallons
Location: In		
Com In/hi Strength	42	691,386
Com In/lo Strength	162	1,044,344
Dot In/lo Strength	2	87,671
Ind In/hi Strength	1	30,066
Ind In/lo Strength	10	137,232
Lmf In/lo Strength	1	6,175
Mfr In/low Strength	122	1,205,236
Mhp In/lo Strength	2	364,253
PA In/hi Strength	3	105,865
PA In/lo Strength	46	252,709
Sfr IN Town	641	2,142,588
	1,032	6,067,525
Location: Out		
Low Rate / IN Town	11	30,679
Mfr Out/lo Strength	1	6,512
Sfr Out of Town	4	9,964
UW Out/hi Strength	1	124,157
	17	171,312
Total	1,049	6,238,837

Refuse - Pickups by Class

Class	Pickups
Com	3,441.5
Ind	32.5
Mfr	702.0
PA	241.5
Sfr	2,651.0
Refuse Only	495.0
Total	7,563.5

Refuse - Active Accounts

Refuse Type	Accounts
Cans	884
Cans Low Rate	11
Compactors	4
Large Dumpster	77
Medium Dumpster	55
PA	42
Small Dumpster	45
Total	1,118

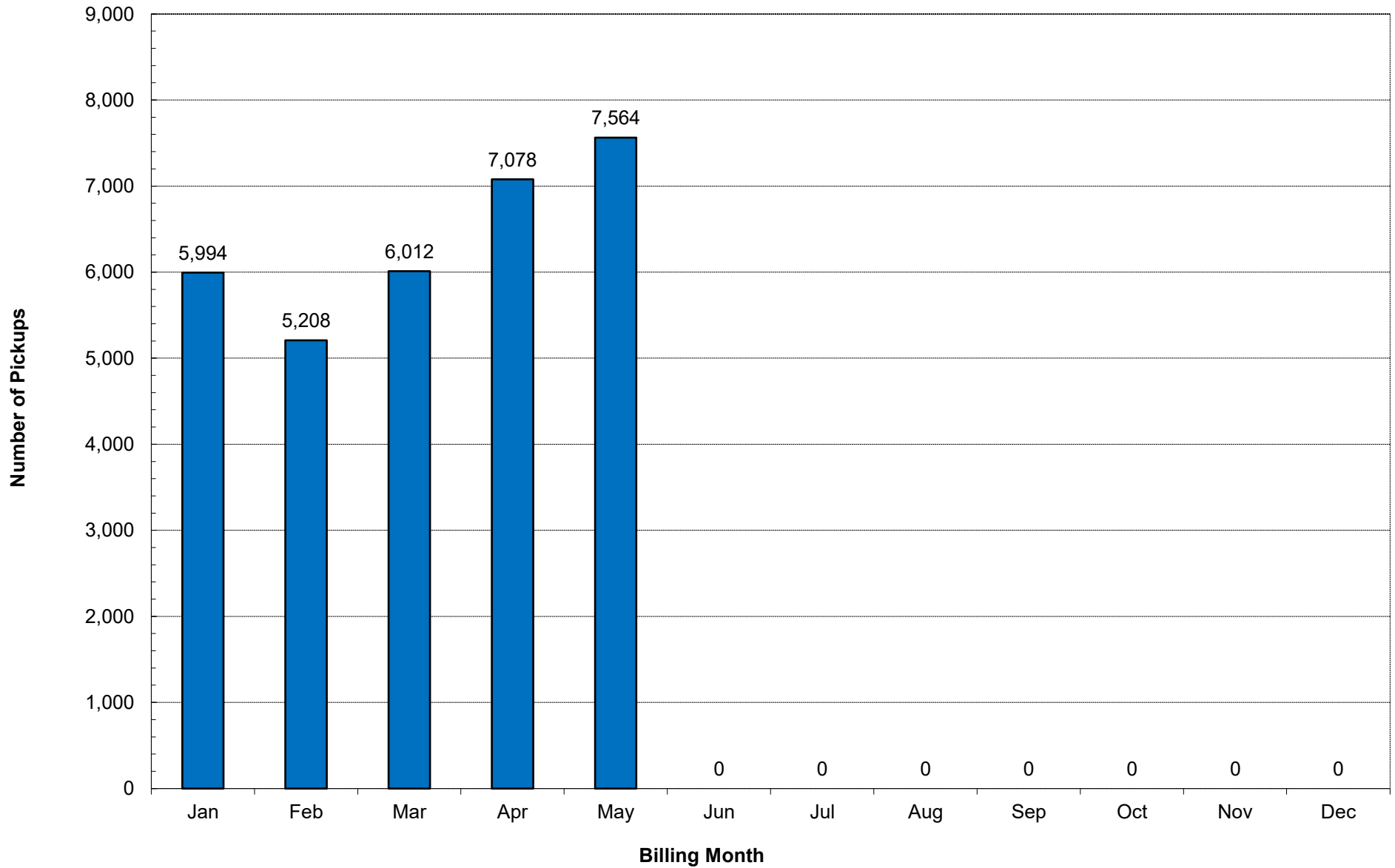
Recycle - Pickups by Class

Class	Pickups
Com	6.0
Ind	7.0
Mfr	84.0
PA	0.0
Sfr	829.0
Refuse Only	31.0
Total	957.0

Refuse Pickups by Account Type - 2025 YTD

Billing Month	SFR	Refuse Only	PA	MFR	IND	COM	Total
Jan	2,397.0	383.0	188.5	647.0	20.0	2,358.5	5,994.0
Feb	1,933.0	335.5	183.0	541.0	19.5	2,196.0	5,208.0
Mar	2,148.0	389.5	209.0	622.0	21.0	2,622.5	6,012.0
Apr	2,685.0	453.0	182.5	674.5	24.0	3,059.0	7,078.0
May	2,651.0	495.0	241.5	702.0	32.5	3,441.5	7,563.5
Jun							-
Jul							-
Aug							-
Sep							-
Oct							-
Nov							-
Dec							-
YTD	11,814.0	2,056.0	1,004.5	3,186.5	117.0	13,677.5	31,855.5

Total Refuse Pickups by Month - 2025



Trout Lake Reservoir Level

Months with positive levels may reflect that a removable 7.25 inch riser has been added to the top of the original spillway.

end of	Inches above/(below) original spillway	end of	Inches above/(below) original spillway	end of	Inches above/(below) original spillway
Jan-24	0.00	Jan-27		Jan-30	
Feb-24	0.00	Feb-27		Feb-30	
Mar-24	12.00	Mar-27		Mar-30	
Apr-24	9.00	Apr-27		Apr-30	
May-24	3.50	May-27		May-30	
Jun-24	-3.00	Jun-27		Jun-30	
Jul-24	-17.00	Jul-27		Jul-30	
Aug-24	-26.00	Aug-27		Aug-30	
Sep-24	-33.75	Sep-27		Sep-30	
Oct-24	-35.50	Oct-27		Oct-30	
Nov-24	-22.00	Nov-27		Nov-30	
Dec-24	0.00	Dec-27		Dec-30	
Jan-25	0.00	Jan-28		Jan-31	
Feb-25	0.00	Feb-28		Feb-31	
Mar-25	11.50	Mar-28		Mar-31	
Apr-25	10.79	Apr-28		Apr-31	
May-25	5.00	May-28		May-31	
Jun-25		Jun-28		Jun-31	
Jul-25		Jul-28		Jul-31	
Aug-25		Aug-28		Aug-31	
Sep-25		Sep-28		Sep-31	
Oct-25		Oct-28		Oct-31	
Nov-25		Nov-28		Nov-31	
Dec-25		Dec-28		Dec-31	
Jan-26		Jan-29		Jan-32	
Feb-26		Feb-29		Feb-32	
Mar-26		Mar-29		Mar-32	
Apr-26		Apr-29		Apr-32	
May-26		May-29		May-32	
Jun-26		Jun-29		Jun-32	
Jul-26		Jul-29		Jul-32	
Aug-26		Aug-29		Aug-32	
Sep-26		Sep-29		Sep-32	
Oct-26		Oct-29		Oct-32	
Nov-26		Nov-29		Nov-32	
Dec-26		Dec-29		Dec-32	

Flow to Town (Gross Water Production) 2025

Billing Month	Start Date		End Date	Days in Period	Gross Flow to Town
Jan	1-Jan	to	31-Jan	31	7,318,000
Feb	1-Feb	to	28-Feb	28	6,686,000
Mar	1-Mar	to	31-Mar	31	7,598,000
Apr	1-Apr	to	30-Apr	30	7,790,000
May	1-May	to	31-May	31	9,648,000
Jun		to		-	-
Jul		to		-	-
Aug		to		-	-
Sep		to		-	-
Oct		to		-	-
Nov		to		-	-
Dec		to		-	-
				151	39,040,000

Rainfall - Trout Lake Water Treatment Facility

all figures in inches

	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	average (2005-14)
Jan	1.34										1.34
Feb	2.81										2.81
Mar	3.86										3.86
Apr	0.81										0.81
May	0.93										0.93
Jun											0.00
Jul											0.00
Aug											0.00
Sep											0.00
Oct											0.00
Nov											0.00
Dec											0.00
Total	9.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.75

Cumulative thru

May	9.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	average (2015-Current)
Jan											0.00
Feb											0.00
Mar											0.00
Apr											0.00
May											0.00
Jun											0.00
Jul											0.00
Aug											0.00
Sep											0.00
Oct											0.00
Nov											0.00
Dec											0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative thru

May	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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Net Water Production - 2025

Amounts in Gallons

	Jan	Feb	Mar	Apr	May	Jun
Gross Production	7,318,000	6,686,000	7,598,000	7,790,000	9,648,000	-
3% meter loss	171,716	156,346	175,559	196,127	246,487	-
Flushing	164,100	85,100	122,000	68,500	96,000	
SJC#3 FD use	6,500	5,000	5,000	65,500	5,000	
Leaks	266,000	366,000	507,200	150,751	120,000	
Other non-metered use	-					
Total other uses	(608,316)	(612,446)	(809,759)	(480,878)	(467,487)	-
Net production	6,709,684	6,073,554	6,788,241	7,309,122	9,180,513	-

	Jul	Aug	Sep	Oct	Nov	Dec
Gross Production	-	-	-	-	-	-
3% meter loss	-	-	-	-	-	-
Flushing						
SJC#3 FD use						
Leaks						
Other non-metered use						
Total other uses	-	-	-	-	-	-
Net production	-	-	-	-	-	-

Water Consumption & Production

Revised meter loss reporting begin 07/09 (per Robert Krebs, Evergreen Rural Water Assoc.)

Period		Use (Consumption)	Cumulative Use YTD	Flow (Production)	Unaccounted over / (under)	Cumulative Flow YTD	Average Daily Flow	
		Metered/Other	Use YTD		Unaccounted	3% meter loss	2,869,028	
2024	Jan-24	7,380,857	7,380,857	7,793,000	-412,143	7,793,000	251,387	
	Feb-24	5,905,437	13,286,294	6,510,000	-604,563	14,303,000	232,500	
	Mar-24	6,937,573	20,223,867	7,342,000	-404,427	21,645,000	236,839	
	Apr-24	7,376,216	27,600,082	7,980,000	-603,784	29,625,000	266,000	
	May-24	8,703,752	36,303,834	9,349,000	-645,248	38,974,000	301,581	
	Jun-24	9,914,784	46,218,618	10,422,000	-507,216	49,396,000	347,400	
	Jul-24	13,840,595	60,059,213	14,280,000	-439,405	63,676,000	460,645	
	Aug-24	12,206,278	72,265,491	13,009,000	-802,722	76,685,000	419,645	
	Sep-24	9,246,125	81,511,616	10,164,000	-917,875	86,849,000	338,800	
	Average	Oct-24	7,549,709	89,061,325	7,961,000	-411,291	94,810,000	256,806
Monthly Use	Nov-24	6,882,598	95,943,922	7,412,000	-529,403	102,222,000	247,067	
8,520,962	Dec-24	6,307,625	102,251,548	7,005,000	-697,375	109,227,000	225,968	
Year Total:		12	102,251,548	Cumulative	109,227,000	-6,975,452	Cumulative	298,720
		Metered/Other	Use YTD		Unaccounted	3% meter loss	2,869,028	
2025	Jan-25	6,332,190	6,332,190	7,318,000	-985,810	7,318,000	236,065	
	Feb-25	5,823,982	12,156,172	6,686,000	-862,018	14,004,000	238,786	
	Mar-25	6,661,729	18,817,901	7,598,000	-936,271	21,602,000	245,097	
	Apr-25	7,018,446	25,836,347	7,790,000	-771,554	29,392,000	259,667	
	May-25	8,683,733	34,520,081	9,648,000	-964,267	39,040,000	311,226	
	Jun-25	0	34,520,081	0	0	39,040,000	0	
	Jul-25	0	34,520,081	0	0	39,040,000	0	
	Aug-25	0	34,520,081	0	0	39,040,000	0	
	Sep-25	0	34,520,081	0	0	39,040,000	0	
	Average	Oct-25	0	34,520,081	0	0	39,040,000	0
	Monthly Use	Nov-25	0	34,520,081	0	0	39,040,000	0
	6,904,016	Dec-25	0	34,520,081	0	0	39,040,000	0
	Year Total:		5	34,520,081	Cumulative	39,040,000	-4,519,919	Cumulative
3 Year Average		Use 8,202,634 gal/month		Flow 8,816,379 gal/month			Daily Flow 283,525	

Utilization of Sustainable Annual Water System Capacity

Period start: Jun-23
Period end: May-25

Sustainable Annual Yield (TFH Comprehensive Water System Plan Update, June, 2013, page 3-6)	205 million gallons
Annual use - 12 month period	109 million gallons
percent of Sustainable Annual Yield	53%
Exceeds Sustainable Yield?	No

Finish Water Flow to Town

Source: Water Treatment Facility Monthly Report

Revised reporting period per K. Anderson

Start/end dates may change monthly.

31 Days in reporting period.

May 1, 2025		May 31, 2025	
Day	Flow	Day	Flow
1	327	1	
2	235	2	
3	285	3	
4	256	4	
5	303	5	
6	326	6	
7	276	7	
8	339	8	
9	257	9	
10	347	10	
11	303	11	
12	312	12	
13	345	13	
14	300	14	
15	309	15	
16	310	16	
17	262	17	
18	269	18	
19	310	19	
20	258	20	
21	302	21	
22	298	22	
23	345	23	
24	346	24	
25	322	25	
26	390	26	
27	257	27	
28	372	28	
29	401	29	
30	272	30	
31	414	31	
31	9,648	0	-

Total Days 31

Total Flow 9,648

1,000's of gallons

TOWN OF FRIDAY HARBOR

Water Consumption By Customer Class

2024	COM	IND	MFR	PA	SFR	Special	Other Uses	TOTAL	% of Use	Avg Daily Use
Jan	1,256,441	74,748	1,751,220	479,558	2,535,257	38,317	184,066	6,319,607	6.6%	203,858
Feb	1,117,694	65,357	1,481,249	458,132	2,265,621	47,735	163,074	5,598,862	5.8%	193,064
Mar	1,333,676	83,625	1,688,576	573,042	2,612,184	36,055	189,815	6,516,973	6.8%	210,225
Apr	1,399,854	103,354	1,671,902	879,576	2,781,353	51,452	206,625	7,094,116	7.4%	236,471
May	1,846,369	116,225	1,793,528	911,576	3,465,636	85,357	246,561	8,465,252	8.8%	273,073
Jun	2,068,276	105,101	1,856,041	1,060,351	3,957,803	118,566	274,984	9,441,122	9.8%	314,704
Jul	2,695,273	160,748	2,202,051	2,474,526	5,493,833	213,564	397,200	13,637,195	14.1%	439,910
Aug	2,605,206	280,775	2,086,734	1,962,972	4,448,076	172,818	346,697	11,903,278	12.3%	383,977
Sep	2,075,768	255,326	1,774,607	1,144,742	3,378,198	6,917	259,067	8,894,625	9.2%	296,487
Oct	1,422,527	245,312	1,684,614	758,860	2,567,586	5,090	200,520	6,884,509	7.1%	222,081
Nov	1,153,987	134,764	1,548,788	485,488	2,382,124	3,099	171,248	5,879,498	6.1%	195,983
Dec	1,112,994	75,521	1,558,723	441,969	2,465,408	2,594	169,716	5,826,925	6.0%	187,965
Total	20,088,065	1,700,856	21,098,033	11,630,792	38,353,079	781,564	2,809,572	96,461,961	100.0%	263,557
Average	1,674,005	141,738	1,758,169	969,233	3,196,090	65,130	234,131	Total Use		96,461,961
								Total Loss		8,038,497
% of Use	20.8%	1.8%	21.9%	12.1%	39.8%	0.8%	2.9%	Flow (Use+Loss)		185,605,921
% of Flow	10.8%	0.9%	11.4%	6.3%	20.7%	0.4%	1.5%	Loss as % of Flow		4.3%

2025	COM	IND	MFR	PA	SFR	Special	Other Uses	TOTAL	% of Use	Avg Daily Use
Jan	1,081,740	86,664	1,598,451	531,907	2,423,824	1,288	608,316	6,332,190	18.3%	204,264
Feb	975,955	72,208	1,468,791	454,741	2,238,960	881	612,446	5,823,982	16.9%	200,827
Mar	1,163,991	85,685	1,597,149	573,481	2,429,379	2,285	809,759	6,661,729	19.3%	214,894
Apr	1,445,207	91,091	1,602,089	727,094	2,666,511	5,576	480,878	7,018,446	20.3%	233,948
May	1,796,739	188,739	1,794,824	900,058	3,479,212	56,674	467,487	8,683,733	25.2%	280,120
Jun							-	-	0.0%	-
Jul							-	-	0.0%	-
Aug							-	-	0.0%	-
Sep							-	-	0.0%	-
Oct							-	-	0.0%	-
Nov							-	-	0.0%	-
Dec							-	-	0.0%	-
Total	6,463,632	524,387	8,061,304	3,187,281	13,237,886	66,704	2,978,887	34,520,081	100.0%	227,106
Average	1,292,726	104,877	1,612,261	637,456	2,647,577	13,341	248,241	Total Use		34,520,081
								Total Loss		2,876,673
% of Use	18.7%	1.5%	23.4%	9.2%	38.3%	0.2%	8.6%	Flow (Use+Loss)		39,040,000
% of Flow	16.6%	1.3%	20.6%	8.2%	33.9%	0.2%	7.6%	Loss as % of Flow		7.4%

Prevention of Wastewater Facility Overloading

Period start: May-24

Period end: Apr-25

INFLUENT BOD LOADING

(Pounds per Day)

Design Criteria (06/06 NPDES
Permit #WA-002358-2, pg 12,
paragraph S4.A) max.month

1,600

85% Capacity Planning
Threshold (06/06 NPDES
Permit #WA-002358-2, pg 12,
paragraph S4.B.1)

1,360

Month with highest average
loading in period

May-25

Highest average monthly
loading in period

872

% of Design Criteria

55%

Exceeds Design Criteria?

No

Previous month's loading

746

Following month's loading

738

Exceeds Planning Threshold
for 3 consecutive months?

No

AVG. EFFLUENT FLOW

(Millions of Gallons per Day)

Design Criteria (06/06 NPDES
Permit #WA-002358-2, pg 12,
paragraph S4.A) max.month

0.69000

85% Capacity Planning
Threshold (06/06 NPDES
Permit #WA-002358-2, pg 12,
paragraph S4.B.1)

0.58650

Month with highest average
flow in period

Dec-24

Highest average monthly flow
in period

0.3157

% of Design Criteria

46%

Exceeds Design Criteria?

No

Previous month's flow

0.2556

Following month's flow

0.2858

Exceeds Planning Threshold
for 3 consecutive months?

No

SUSPENDED SOLIDS LOADING

(Pounds per Day)

Design Criteria (06/06 NPDES
Permit #WA-002358-2, pg 12,
paragraph S4.A) max.month

1,110

85% Capacity Planning
Threshold (06/06 NPDES
Permit #WA-002358-2, pg 12,
paragraph S4.B.1)

944

Month with highest average
loading in period

May-25

Highest average monthly
loading in period

785

% of Design Criteria

71%

Exceeds Design Criteria?

No

Previous month's loading

745

Following month's loading

828

Exceeds Planning Threshold for
3 consecutive months?

No